

Global Lightweight Intelligent Vision Chip Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/GC9128F725C6EN.html>

Date: July 2026

Pages: 131

Price: US\$ 4,480.00 (Single User License)

ID: GC9128F725C6EN

Abstracts

The global Lightweight Intelligent Vision Chip market size is expected to reach \$ 1531 million by 2032, rising at a market growth of 11.5% CAGR during the forecast period (2026-2032).

In 2025, the global production volume of lightweight intelligent vision chips reached 35.0625 million units, with an average selling price of 20 USD per unit. The global annual production capacity of lightweight intelligent vision chips is approximately 50 million units, and the gross profit margin is around 27.2%. A lightweight intelligent vision chip is an integrated circuit chip specifically designed for vision processing, aimed at achieving fast, low-power image and video processing while supporting artificial intelligence (AI)-related vision computing tasks. It typically combines hardware acceleration and optimized algorithms, enabling devices to realize intelligent vision applications under resource-constrained conditions. The upstream of lightweight intelligent vision chips includes silicon wafers, photoresist, specialty gases, and others. The midstream consists of lightweight intelligent vision chip manufacturers, while the downstream mainly covers smart IP cameras, smart doorbells, and smart display cameras.

The current market for lightweight intelligent vision chips is in a phase of rapid expansion, primarily driven by the sustained increase in demand for low-power, low-cost edge intelligent computing from terminal devices. As a core component enabling real-time front-end visual perception and processing, the lightweight intelligent vision chip can efficiently perform AI tasks such as image recognition and object detection without relying on cloud or high-performance computing platforms. With the continuous enrichment of application scenarios such as smart security, smart home, and smart office, the market is placing higher demands on the integration level and energy

efficiency of such chips, driving continuous iteration toward higher computing power and lower power consumption. Overall, the industry is moving toward more efficient, easier-to-deploy, and more general-purpose edge intelligence solutions.

This report studies the global Lightweight Intelligent Vision Chip production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Lightweight Intelligent Vision Chip and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Lightweight Intelligent Vision Chip that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Lightweight Intelligent Vision Chip total production and demand, 2021-2032, (Million Units)

Global Lightweight Intelligent Vision Chip total production value, 2021-2032, (USD Million)

Global Lightweight Intelligent Vision Chip production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Million Units), (based on production site)

Global Lightweight Intelligent Vision Chip consumption by region & country, CAGR, 2021-2032 & (Million Units)

U.S. VS China: Lightweight Intelligent Vision Chip domestic production, consumption, key domestic manufacturers and share

Global Lightweight Intelligent Vision Chip production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Million Units)

Global Lightweight Intelligent Vision Chip production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

Global Lightweight Intelligent Vision Chip production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

This report profiles key players in the global Lightweight Intelligent Vision Chip market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include NXP, Silicon Labs, Renesas Electronics, Analog Devices, Texas Instruments, ON Semiconductor, Epson Ics, Nextchip, Goke Microelectronics, AXERA, etc.

This report also provides key insights about market drivers, restraints, opportunities,

new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Lightweight Intelligent Vision Chip market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Million Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Lightweight Intelligent Vision Chip Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Lightweight Intelligent Vision Chip Market, Segmentation by Type:

Less Than 5 TOPS

5 TOPS-10 TOPS

More Than 10 TOPS

Global Lightweight Intelligent Vision Chip Market, Segmentation by Computing Power Requirements:

Light Computing Power

Medium Computing Power

High Computing Power

Global Lightweight Intelligent Vision Chip Market, Segmentation by Functional Positioning:

AI ISP Chip

NPU Vision Chip

Converged Chip

Global Lightweight Intelligent Vision Chip Market, Segmentation by Application:

Smart Network Camera

Smart Doorbell

Smart Screen Camera

In-Vehicle Vision Products

Others

Companies Profiled:

NXP

Silicon Labs

Renesas Electronics

Analog Devices

Texas Instruments

ON Semiconductor

Epson Ics

Nextchip

Goke Microelectronics

AXERA

HISILICON

Shanghai NextVPU

Rockchip Electronics

Fullhan Microelectronics

Key Questions Answered:

1. How big is the global Lightweight Intelligent Vision Chip market?
2. What is the demand of the global Lightweight Intelligent Vision Chip market?
3. What is the year over year growth of the global Lightweight Intelligent Vision Chip market?
4. What is the production and production value of the global Lightweight Intelligent Vision Chip market?
5. Who are the key producers in the global Lightweight Intelligent Vision Chip market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Lightweight Intelligent Vision Chip Introduction
- 1.2 World Lightweight Intelligent Vision Chip Supply & Forecast
 - 1.2.1 World Lightweight Intelligent Vision Chip Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Lightweight Intelligent Vision Chip Production (2021-2032)
 - 1.2.3 World Lightweight Intelligent Vision Chip Pricing Trends (2021-2032)
- 1.3 World Lightweight Intelligent Vision Chip Production by Region (Based on Production Site)
 - 1.3.1 World Lightweight Intelligent Vision Chip Production Value by Region (2021-2032)
 - 1.3.2 World Lightweight Intelligent Vision Chip Production by Region (2021-2032)
 - 1.3.3 World Lightweight Intelligent Vision Chip Average Price by Region (2021-2032)
 - 1.3.4 North America Lightweight Intelligent Vision Chip Production (2021-2032)
 - 1.3.5 Europe Lightweight Intelligent Vision Chip Production (2021-2032)
 - 1.3.6 China Lightweight Intelligent Vision Chip Production (2021-2032)
 - 1.3.7 Japan Lightweight Intelligent Vision Chip Production (2021-2032)
 - 1.3.8 South Korea Lightweight Intelligent Vision Chip Production (2021-2032)
 - 1.3.9 Southeast Asia Lightweight Intelligent Vision Chip Production (2021-2032)
 - 1.3.10 China Taiwan Lightweight Intelligent Vision Chip Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Lightweight Intelligent Vision Chip Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Lightweight Intelligent Vision Chip Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Lightweight Intelligent Vision Chip Demand (2021-2032)
- 2.2 World Lightweight Intelligent Vision Chip Consumption by Region
 - 2.2.1 World Lightweight Intelligent Vision Chip Consumption by Region (2021-2026)
 - 2.2.2 World Lightweight Intelligent Vision Chip Consumption Forecast by Region (2027-2032)
- 2.3 United States Lightweight Intelligent Vision Chip Consumption (2021-2032)
- 2.4 China Lightweight Intelligent Vision Chip Consumption (2021-2032)
- 2.5 Europe Lightweight Intelligent Vision Chip Consumption (2021-2032)
- 2.6 Japan Lightweight Intelligent Vision Chip Consumption (2021-2032)
- 2.7 South Korea Lightweight Intelligent Vision Chip Consumption (2021-2032)

2.8 ASEAN Lightweight Intelligent Vision Chip Consumption (2021-2032)

2.9 India Lightweight Intelligent Vision Chip Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

3.1 World Lightweight Intelligent Vision Chip Production Value by Manufacturer (2021-2026)

3.2 World Lightweight Intelligent Vision Chip Production by Manufacturer (2021-2026)

3.3 World Lightweight Intelligent Vision Chip Average Price by Manufacturer (2021-2026)

3.4 Lightweight Intelligent Vision Chip Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global Lightweight Intelligent Vision Chip Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for Lightweight Intelligent Vision Chip in 2025

3.5.3 Global Concentration Ratios (CR8) for Lightweight Intelligent Vision Chip in 2025

3.6 Lightweight Intelligent Vision Chip Market: Overall Company Footprint Analysis

3.6.1 Lightweight Intelligent Vision Chip Market: Region Footprint

3.6.2 Lightweight Intelligent Vision Chip Market: Company Product Type Footprint

3.6.3 Lightweight Intelligent Vision Chip Market: Company Product Application

Footprint

3.7 Competitive Environment

3.7.1 Historical Structure of the Industry

3.7.2 Barriers of Market Entry

3.7.3 Factors of Competition

3.8 New Entrant and Capacity Expansion Plans

3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

4.1 United States VS China: Lightweight Intelligent Vision Chip Production Value Comparison

4.1.1 United States VS China: Lightweight Intelligent Vision Chip Production Value Comparison (2021 & 2025 & 2032)

4.1.2 United States VS China: Lightweight Intelligent Vision Chip Production Value Market Share Comparison (2021 & 2025 & 2032)

4.2 United States VS China: Lightweight Intelligent Vision Chip Production Comparison

4.2.1 United States VS China: Lightweight Intelligent Vision Chip Production Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: Lightweight Intelligent Vision Chip Production Market

Share Comparison (2021 & 2025 & 2032)

4.3 United States VS China: Lightweight Intelligent Vision Chip Consumption Comparison

4.3.1 United States VS China: Lightweight Intelligent Vision Chip Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Lightweight Intelligent Vision Chip Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Lightweight Intelligent Vision Chip Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Lightweight Intelligent Vision Chip Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Lightweight Intelligent Vision Chip Production Value (2021-2026)

4.4.3 United States Based Manufacturers Lightweight Intelligent Vision Chip Production (2021-2026)

4.5 China Based Lightweight Intelligent Vision Chip Manufacturers and Market Share

4.5.1 China Based Lightweight Intelligent Vision Chip Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Lightweight Intelligent Vision Chip Production Value (2021-2026)

4.5.3 China Based Manufacturers Lightweight Intelligent Vision Chip Production (2021-2026)

4.6 Rest of World Based Lightweight Intelligent Vision Chip Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Lightweight Intelligent Vision Chip Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Lightweight Intelligent Vision Chip Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Lightweight Intelligent Vision Chip Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Lightweight Intelligent Vision Chip Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Less Than 5 TOPS

5.2.2 5 TOPS-10 TOPS

5.2.3 More Than 10 TOPS

5.3 Market Segment by Type

5.3.1 World Lightweight Intelligent Vision Chip Production by Type (2021-2032)

5.3.2 World Lightweight Intelligent Vision Chip Production Value by Type (2021-2032)

5.3.3 World Lightweight Intelligent Vision Chip Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY COMPUTING POWER REQUIREMENTS

6.1 World Lightweight Intelligent Vision Chip Market Size Overview by Computing Power Requirements: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Computing Power Requirements

6.2.1 Light Computing Power

6.2.2 Medium Computing Power

6.2.3 High Computing Power

6.3 Market Segment by Computing Power Requirements

6.3.1 World Lightweight Intelligent Vision Chip Production by Computing Power Requirements (2021-2032)

6.3.2 World Lightweight Intelligent Vision Chip Production Value by Computing Power Requirements (2021-2032)

6.3.3 World Lightweight Intelligent Vision Chip Average Price by Computing Power Requirements (2021-2032)

7 MARKET ANALYSIS BY FUNCTIONAL POSITIONING

7.1 World Lightweight Intelligent Vision Chip Market Size Overview by Functional Positioning: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Functional Positioning

7.2.1 AI ISP Chip

7.2.2 NPU Vision Chip

7.2.3 Converged Chip

7.3 Market Segment by Functional Positioning

7.3.1 World Lightweight Intelligent Vision Chip Production by Functional Positioning (2021-2032)

7.3.2 World Lightweight Intelligent Vision Chip Production Value by Functional Positioning (2021-2032)

7.3.3 World Lightweight Intelligent Vision Chip Average Price by Functional Positioning (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Lightweight Intelligent Vision Chip Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Smart Network Camera

8.2.2 Smart Doorbell

8.2.3 Smart Screen Camera

8.2.4 In-Vehicle Vision Products

8.2.5 Others

8.3 Market Segment by Application

8.3.1 World Lightweight Intelligent Vision Chip Production by Application (2021-2032)

8.3.2 World Lightweight Intelligent Vision Chip Production Value by Application (2021-2032)

8.3.3 World Lightweight Intelligent Vision Chip Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 NXP

9.1.1 NXP Details

9.1.2 NXP Major Business

9.1.3 NXP Lightweight Intelligent Vision Chip Product and Services

9.1.4 NXP Lightweight Intelligent Vision Chip Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 NXP Recent Developments/Updates

9.1.6 NXP Competitive Strengths & Weaknesses

9.2 Silicon Labs

9.2.1 Silicon Labs Details

9.2.2 Silicon Labs Major Business

9.2.3 Silicon Labs Lightweight Intelligent Vision Chip Product and Services

9.2.4 Silicon Labs Lightweight Intelligent Vision Chip Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.2.5 Silicon Labs Recent Developments/Updates

9.2.6 Silicon Labs Competitive Strengths & Weaknesses

9.3 Renesas Electronics

9.3.1 Renesas Electronics Details

9.3.2 Renesas Electronics Major Business

9.3.3 Renesas Electronics Lightweight Intelligent Vision Chip Product and Services

9.3.4 Renesas Electronics Lightweight Intelligent Vision Chip Production, Price, Value, Gross Margin and Market Share (2021-2026)

- 9.3.5 Renesas Electronics Recent Developments/Updates
- 9.3.6 Renesas Electronics Competitive Strengths & Weaknesses
- 9.4 Analog Devices
 - 9.4.1 Analog Devices Details
 - 9.4.2 Analog Devices Major Business
 - 9.4.3 Analog Devices Lightweight Intelligent Vision Chip Product and Services
 - 9.4.4 Analog Devices Lightweight Intelligent Vision Chip Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.4.5 Analog Devices Recent Developments/Updates
 - 9.4.6 Analog Devices Competitive Strengths & Weaknesses
- 9.5 Texas Instruments
 - 9.5.1 Texas Instruments Details
 - 9.5.2 Texas Instruments Major Business
 - 9.5.3 Texas Instruments Lightweight Intelligent Vision Chip Product and Services
 - 9.5.4 Texas Instruments Lightweight Intelligent Vision Chip Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.5.5 Texas Instruments Recent Developments/Updates
 - 9.5.6 Texas Instruments Competitive Strengths & Weaknesses
- 9.6 ON Semiconductor
 - 9.6.1 ON Semiconductor Details
 - 9.6.2 ON Semiconductor Major Business
 - 9.6.3 ON Semiconductor Lightweight Intelligent Vision Chip Product and Services
 - 9.6.4 ON Semiconductor Lightweight Intelligent Vision Chip Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.6.5 ON Semiconductor Recent Developments/Updates
 - 9.6.6 ON Semiconductor Competitive Strengths & Weaknesses
- 9.7 Epson Ics
 - 9.7.1 Epson Ics Details
 - 9.7.2 Epson Ics Major Business
 - 9.7.3 Epson Ics Lightweight Intelligent Vision Chip Product and Services
 - 9.7.4 Epson Ics Lightweight Intelligent Vision Chip Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.7.5 Epson Ics Recent Developments/Updates
 - 9.7.6 Epson Ics Competitive Strengths & Weaknesses
- 9.8 Nextchip
 - 9.8.1 Nextchip Details
 - 9.8.2 Nextchip Major Business
 - 9.8.3 Nextchip Lightweight Intelligent Vision Chip Product and Services
 - 9.8.4 Nextchip Lightweight Intelligent Vision Chip Production, Price, Value, Gross

Margin and Market Share (2021-2026)

9.8.5 Nextchip Recent Developments/Updates

9.8.6 Nextchip Competitive Strengths & Weaknesses

9.9 Goke Microelectronics

9.9.1 Goke Microelectronics Details

9.9.2 Goke Microelectronics Major Business

9.9.3 Goke Microelectronics Lightweight Intelligent Vision Chip Product and Services

9.9.4 Goke Microelectronics Lightweight Intelligent Vision Chip Production, Price,

Value, Gross Margin and Market Share (2021-2026)

9.9.5 Goke Microelectronics Recent Developments/Updates

9.9.6 Goke Microelectronics Competitive Strengths & Weaknesses

9.10 AXERA

9.10.1 AXERA Details

9.10.2 AXERA Major Business

9.10.3 AXERA Lightweight Intelligent Vision Chip Product and Services

9.10.4 AXERA Lightweight Intelligent Vision Chip Production, Price, Value, Gross

Margin and Market Share (2021-2026)

9.10.5 AXERA Recent Developments/Updates

9.10.6 AXERA Competitive Strengths & Weaknesses

9.11 HISILICON

9.11.1 HISILICON Details

9.11.2 HISILICON Major Business

9.11.3 HISILICON Lightweight Intelligent Vision Chip Product and Services

9.11.4 HISILICON Lightweight Intelligent Vision Chip Production, Price, Value, Gross

Margin and Market Share (2021-2026)

9.11.5 HISILICON Recent Developments/Updates

9.11.6 HISILICON Competitive Strengths & Weaknesses

9.12 Shanghai NextVPU

9.12.1 Shanghai NextVPU Details

9.12.2 Shanghai NextVPU Major Business

9.12.3 Shanghai NextVPU Lightweight Intelligent Vision Chip Product and Services

9.12.4 Shanghai NextVPU Lightweight Intelligent Vision Chip Production, Price, Value,

Gross Margin and Market Share (2021-2026)

9.12.5 Shanghai NextVPU Recent Developments/Updates

9.12.6 Shanghai NextVPU Competitive Strengths & Weaknesses

9.13 Rockchip Electronics

9.13.1 Rockchip Electronics Details

9.13.2 Rockchip Electronics Major Business

9.13.3 Rockchip Electronics Lightweight Intelligent Vision Chip Product and Services

9.13.4 Rockchip Electronics Lightweight Intelligent Vision Chip Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.13.5 Rockchip Electronics Recent Developments/Updates

9.13.6 Rockchip Electronics Competitive Strengths & Weaknesses

9.14 Fullhan Microelectronics

9.14.1 Fullhan Microelectronics Details

9.14.2 Fullhan Microelectronics Major Business

9.14.3 Fullhan Microelectronics Lightweight Intelligent Vision Chip Product and Services

9.14.4 Fullhan Microelectronics Lightweight Intelligent Vision Chip Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.14.5 Fullhan Microelectronics Recent Developments/Updates

9.14.6 Fullhan Microelectronics Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

10.1 Lightweight Intelligent Vision Chip Industry Chain

10.2 Lightweight Intelligent Vision Chip Upstream Analysis

10.2.1 Lightweight Intelligent Vision Chip Core Raw Materials

10.2.2 Main Manufacturers of Lightweight Intelligent Vision Chip Core Raw Materials

10.3 Midstream Analysis

10.4 Downstream Analysis

10.5 Lightweight Intelligent Vision Chip Production Mode

10.6 Lightweight Intelligent Vision Chip Procurement Model

10.7 Lightweight Intelligent Vision Chip Industry Sales Model and Sales Channels

10.7.1 Lightweight Intelligent Vision Chip Sales Model

10.7.2 Lightweight Intelligent Vision Chip Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Lightweight Intelligent Vision Chip Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Lightweight Intelligent Vision Chip Production Value by Region (2021-2026) & (USD Million)

Table 3. World Lightweight Intelligent Vision Chip Production Value by Region (2027-2032) & (USD Million)

Table 4. World Lightweight Intelligent Vision Chip Production Value Market Share by Region (2021-2026)

Table 5. World Lightweight Intelligent Vision Chip Production Value Market Share by Region (2027-2032)

Table 6. World Lightweight Intelligent Vision Chip Production by Region (2021-2026) & (Million Units)

Table 7. World Lightweight Intelligent Vision Chip Production by Region (2027-2032) & (Million Units)

Table 8. World Lightweight Intelligent Vision Chip Production Market Share by Region (2021-2026)

Table 9. World Lightweight Intelligent Vision Chip Production Market Share by Region (2027-2032)

Table 10. World Lightweight Intelligent Vision Chip Average Price by Region (2021-2026) & (US\$/Unit)

Table 11. World Lightweight Intelligent Vision Chip Average Price by Region (2027-2032) & (US\$/Unit)

Table 12. Lightweight Intelligent Vision Chip Major Market Trends

Table 13. World Lightweight Intelligent Vision Chip Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Million Units)

Table 14. World Lightweight Intelligent Vision Chip Consumption by Region (2021-2026) & (Million Units)

Table 15. World Lightweight Intelligent Vision Chip Consumption Forecast by Region (2027-2032) & (Million Units)

Table 16. World Lightweight Intelligent Vision Chip Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Lightweight Intelligent Vision Chip Producers in 2025

Table 18. World Lightweight Intelligent Vision Chip Production by Manufacturer (2021-2026) & (Million Units)

Table 19. Production Market Share of Key Lightweight Intelligent Vision Chip Producers in 2025

Table 20. World Lightweight Intelligent Vision Chip Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 21. Global Lightweight Intelligent Vision Chip Company Evaluation Quadrant

Table 22. World Lightweight Intelligent Vision Chip Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Lightweight Intelligent Vision Chip Production Site of Key Manufacturer

Table 24. Lightweight Intelligent Vision Chip Market: Company Product Type Footprint

Table 25. Lightweight Intelligent Vision Chip Market: Company Product Application Footprint

Table 26. Lightweight Intelligent Vision Chip Competitive Factors

Table 27. Lightweight Intelligent Vision Chip New Entrant and Capacity Expansion Plans

Table 28. Lightweight Intelligent Vision Chip Mergers & Acquisitions Activity

Table 29. United States VS China Lightweight Intelligent Vision Chip Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Lightweight Intelligent Vision Chip Production Comparison, (2021 & 2025 & 2032) & (Million Units)

Table 31. United States VS China Lightweight Intelligent Vision Chip Consumption Comparison, (2021 & 2025 & 2032) & (Million Units)

Table 32. United States Based Lightweight Intelligent Vision Chip Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Lightweight Intelligent Vision Chip Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Lightweight Intelligent Vision Chip Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Lightweight Intelligent Vision Chip Production (2021-2026) & (Million Units)

Table 36. United States Based Manufacturers Lightweight Intelligent Vision Chip Production Market Share (2021-2026)

Table 37. China Based Lightweight Intelligent Vision Chip Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Lightweight Intelligent Vision Chip Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Lightweight Intelligent Vision Chip Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Lightweight Intelligent Vision Chip Production,

(2021-2026) & (Million Units)

Table 41. China Based Manufacturers Lightweight Intelligent Vision Chip Production Market Share (2021-2026)

Table 42. Rest of World Based Lightweight Intelligent Vision Chip Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Lightweight Intelligent Vision Chip Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Lightweight Intelligent Vision Chip Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Lightweight Intelligent Vision Chip Production, (2021-2026) & (Million Units)

Table 46. Rest of World Based Manufacturers Lightweight Intelligent Vision Chip Production Market Share (2021-2026)

Table 47. World Lightweight Intelligent Vision Chip Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Lightweight Intelligent Vision Chip Production by Type (2021-2026) & (Million Units)

Table 49. World Lightweight Intelligent Vision Chip Production by Type (2027-2032) & (Million Units)

Table 50. World Lightweight Intelligent Vision Chip Production Value by Type (2021-2026) & (USD Million)

Table 51. World Lightweight Intelligent Vision Chip Production Value by Type (2027-2032) & (USD Million)

Table 52. World Lightweight Intelligent Vision Chip Average Price by Type (2021-2026) & (US\$/Unit)

Table 53. World Lightweight Intelligent Vision Chip Average Price by Type (2027-2032) & (US\$/Unit)

Table 54. World Lightweight Intelligent Vision Chip Production Value by Computing Power Requirements, (USD Million), 2021 & 2025 & 2032

Table 55. World Lightweight Intelligent Vision Chip Production by Computing Power Requirements (2021-2026) & (Million Units)

Table 56. World Lightweight Intelligent Vision Chip Production by Computing Power Requirements (2027-2032) & (Million Units)

Table 57. World Lightweight Intelligent Vision Chip Production Value by Computing Power Requirements (2021-2026) & (USD Million)

Table 58. World Lightweight Intelligent Vision Chip Production Value by Computing Power Requirements (2027-2032) & (USD Million)

Table 59. World Lightweight Intelligent Vision Chip Average Price by Computing Power Requirements (2021-2026) & (US\$/Unit)

Table 60. World Lightweight Intelligent Vision Chip Average Price by Computing Power Requirements (2027-2032) & (US\$/Unit)
Table 61. World Lightweight Intelligent Vision Chip Production Value by Functional Positioning, (USD Million), 2021 & 2025 & 2032
Table 62. World Lightweight Intelligent Vision Chip Production by Functional Positioning (2021-2026) & (Million Units)
Table 63. World Lightweight Intelligent Vision Chip Production by Functional Positioning (2027-2032) & (Million Units)
Table 64. World Lightweight Intelligent Vision Chip Production Value by Functional Positioning (2021-2026) & (USD Million)
Table 65. World Lightweight Intelligent Vision Chip Production Value by Functional Positioning (2027-2032) & (USD Million)
Table 66. World Lightweight Intelligent Vision Chip Average Price by Functional Positioning (2021-2026) & (US\$/Unit)
Table 67. World Lightweight Intelligent Vision Chip Average Price by Functional Positioning (2027-2032) & (US\$/Unit)
Table 68. World Lightweight Intelligent Vision Chip Production Value by Application, (USD Million), 2021 & 2025 & 2032
Table 69. World Lightweight Intelligent Vision Chip Production by Application (2021-2026) & (Million Units)
Table 70. World Lightweight Intelligent Vision Chip Production by Application (2027-2032) & (Million Units)
Table 71. World Lightweight Intelligent Vision Chip Production Value by Application (2021-2026) & (USD Million)
Table 72. World Lightweight Intelligent Vision Chip Production Value by Application (2027-2032) & (USD Million)
Table 73. World Lightweight Intelligent Vision Chip Average Price by Application (2021-2026) & (US\$/Unit)
Table 74. World Lightweight Intelligent Vision Chip Average Price by Application (2027-2032) & (US\$/Unit)
Table 75. NXP Basic Information, Manufacturing Base and Competitors
Table 76. NXP Major Business
Table 77. NXP Lightweight Intelligent Vision Chip Product and Services
Table 78. NXP Lightweight Intelligent Vision Chip Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 79. NXP Recent Developments/Updates
Table 80. NXP Competitive Strengths & Weaknesses
Table 81. Silicon Labs Basic Information, Manufacturing Base and Competitors

Table 82. Silicon Labs Major Business

Table 83. Silicon Labs Lightweight Intelligent Vision Chip Product and Services

Table 84. Silicon Labs Lightweight Intelligent Vision Chip Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. Silicon Labs Recent Developments/Updates

Table 86. Silicon Labs Competitive Strengths & Weaknesses

Table 87. Renesas Electronics Basic Information, Manufacturing Base and Competitors

Table 88. Renesas Electronics Major Business

Table 89. Renesas Electronics Lightweight Intelligent Vision Chip Product and Services

Table 90. Renesas Electronics Lightweight Intelligent Vision Chip Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. Renesas Electronics Recent Developments/Updates

Table 92. Renesas Electronics Competitive Strengths & Weaknesses

Table 93. Analog Devices Basic Information, Manufacturing Base and Competitors

Table 94. Analog Devices Major Business

Table 95. Analog Devices Lightweight Intelligent Vision Chip Product and Services

Table 96. Analog Devices Lightweight Intelligent Vision Chip Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. Analog Devices Recent Developments/Updates

Table 98. Analog Devices Competitive Strengths & Weaknesses

Table 99. Texas Instruments Basic Information, Manufacturing Base and Competitors

Table 100. Texas Instruments Major Business

Table 101. Texas Instruments Lightweight Intelligent Vision Chip Product and Services

Table 102. Texas Instruments Lightweight Intelligent Vision Chip Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 103. Texas Instruments Recent Developments/Updates

Table 104. Texas Instruments Competitive Strengths & Weaknesses

Table 105. ON Semiconductor Basic Information, Manufacturing Base and Competitors

Table 106. ON Semiconductor Major Business

Table 107. ON Semiconductor Lightweight Intelligent Vision Chip Product and Services

Table 108. ON Semiconductor Lightweight Intelligent Vision Chip Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. ON Semiconductor Recent Developments/Updates

Table 110. ON Semiconductor Competitive Strengths & Weaknesses

Table 111. Epson Ics Basic Information, Manufacturing Base and Competitors
Table 112. Epson Ics Major Business
Table 113. Epson Ics Lightweight Intelligent Vision Chip Product and Services
Table 114. Epson Ics Lightweight Intelligent Vision Chip Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 115. Epson Ics Recent Developments/Updates
Table 116. Epson Ics Competitive Strengths & Weaknesses
Table 117. Nextchip Basic Information, Manufacturing Base and Competitors
Table 118. Nextchip Major Business
Table 119. Nextchip Lightweight Intelligent Vision Chip Product and Services
Table 120. Nextchip Lightweight Intelligent Vision Chip Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 121. Nextchip Recent Developments/Updates
Table 122. Nextchip Competitive Strengths & Weaknesses
Table 123. Goke Microelectronics Basic Information, Manufacturing Base and Competitors
Table 124. Goke Microelectronics Major Business
Table 125. Goke Microelectronics Lightweight Intelligent Vision Chip Product and Services
Table 126. Goke Microelectronics Lightweight Intelligent Vision Chip Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 127. Goke Microelectronics Recent Developments/Updates
Table 128. Goke Microelectronics Competitive Strengths & Weaknesses
Table 129. AXERA Basic Information, Manufacturing Base and Competitors
Table 130. AXERA Major Business
Table 131. AXERA Lightweight Intelligent Vision Chip Product and Services
Table 132. AXERA Lightweight Intelligent Vision Chip Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 133. AXERA Recent Developments/Updates
Table 134. AXERA Competitive Strengths & Weaknesses
Table 135. HISILICON Basic Information, Manufacturing Base and Competitors
Table 136. HISILICON Major Business
Table 137. HISILICON Lightweight Intelligent Vision Chip Product and Services
Table 138. HISILICON Lightweight Intelligent Vision Chip Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share

(2021-2026)

Table 139. HISILICON Recent Developments/Updates

Table 140. HISILICON Competitive Strengths & Weaknesses

Table 141. Shanghai NextVPU Basic Information, Manufacturing Base and Competitors

Table 142. Shanghai NextVPU Major Business

Table 143. Shanghai NextVPU Lightweight Intelligent Vision Chip Product and Services

Table 144. Shanghai NextVPU Lightweight Intelligent Vision Chip Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 145. Shanghai NextVPU Recent Developments/Updates

Table 146. Shanghai NextVPU Competitive Strengths & Weaknesses

Table 147. Rockchip Electronics Basic Information, Manufacturing Base and Competitors

Table 148. Rockchip Electronics Major Business

Table 149. Rockchip Electronics Lightweight Intelligent Vision Chip Product and Services

Table 150. Rockchip Electronics Lightweight Intelligent Vision Chip Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 151. Rockchip Electronics Recent Developments/Updates

Table 152. Rockchip Electronics Competitive Strengths & Weaknesses

Table 153. Fullhan Microelectronics Basic Information, Manufacturing Base and Competitors

Table 154. Fullhan Microelectronics Major Business

Table 155. Fullhan Microelectronics Lightweight Intelligent Vision Chip Product and Services

Table 156. Fullhan Microelectronics Lightweight Intelligent Vision Chip Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 157. Fullhan Microelectronics Recent Developments/Updates

Table 158. Fullhan Microelectronics Competitive Strengths & Weaknesses

Table 159. Global Key Players of Lightweight Intelligent Vision Chip Upstream (Raw Materials)

Table 160. Global Lightweight Intelligent Vision Chip Typical Customers

Table 161. Lightweight Intelligent Vision Chip Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Lightweight Intelligent Vision Chip Picture

Figure 2. World Lightweight Intelligent Vision Chip Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Lightweight Intelligent Vision Chip Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Lightweight Intelligent Vision Chip Production (2021-2032) & (Million Units)

Figure 5. World Lightweight Intelligent Vision Chip Average Price (2021-2032) & (US\$/Unit)

Figure 6. World Lightweight Intelligent Vision Chip Production Value Market Share by Region (2021-2032)

Figure 7. World Lightweight Intelligent Vision Chip Production Market Share by Region (2021-2032)

Figure 8. North America Lightweight Intelligent Vision Chip Production (2021-2032) & (Million Units)

Figure 9. Europe Lightweight Intelligent Vision Chip Production (2021-2032) & (Million Units)

Figure 10. China Lightweight Intelligent Vision Chip Production (2021-2032) & (Million Units)

Figure 11. Japan Lightweight Intelligent Vision Chip Production (2021-2032) & (Million Units)

Figure 12. South Korea Lightweight Intelligent Vision Chip Production (2021-2032) & (Million Units)

Figure 13. Southeast Asia Lightweight Intelligent Vision Chip Production (2021-2032) & (Million Units)

Figure 14. China Taiwan Lightweight Intelligent Vision Chip Production (2021-2032) & (Million Units)

Figure 15. Lightweight Intelligent Vision Chip Market Drivers

Figure 16. Factors Affecting Demand

Figure 17. World Lightweight Intelligent Vision Chip Consumption (2021-2032) & (Million Units)

Figure 18. World Lightweight Intelligent Vision Chip Consumption Market Share by Region (2021-2032)

Figure 19. United States Lightweight Intelligent Vision Chip Consumption (2021-2032) & (Million Units)

Figure 20. China Lightweight Intelligent Vision Chip Consumption (2021-2032) & (Million Units)

Figure 21. Europe Lightweight Intelligent Vision Chip Consumption (2021-2032) & (Million Units)

Figure 22. Japan Lightweight Intelligent Vision Chip Consumption (2021-2032) & (Million Units)

Figure 23. South Korea Lightweight Intelligent Vision Chip Consumption (2021-2032) & (Million Units)

Figure 24. ASEAN Lightweight Intelligent Vision Chip Consumption (2021-2032) & (Million Units)

Figure 25. India Lightweight Intelligent Vision Chip Consumption (2021-2032) & (Million Units)

Figure 26. Producer Shipments of Lightweight Intelligent Vision Chip by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 27. Global Four-firm Concentration Ratios (CR4) for Lightweight Intelligent Vision Chip Markets in 2025

Figure 28. Global Four-firm Concentration Ratios (CR8) for Lightweight Intelligent Vision Chip Markets in 2025

Figure 29. United States VS China: Lightweight Intelligent Vision Chip Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 30. United States VS China: Lightweight Intelligent Vision Chip Production Market Share Comparison (2021 & 2025 & 2032)

Figure 31. United States VS China: Lightweight Intelligent Vision Chip Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 32. United States Based Manufacturers Lightweight Intelligent Vision Chip Production Market Share 2025

Figure 33. China Based Manufacturers Lightweight Intelligent Vision Chip Production Market Share 2025

Figure 34. Rest of World Based Manufacturers Lightweight Intelligent Vision Chip Production Market Share 2025

Figure 35. World Lightweight Intelligent Vision Chip Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 36. World Lightweight Intelligent Vision Chip Production Value Market Share by Type in 2025

Figure 37. Less Than 5 TOPS

Figure 38. 5 TOPS-10 TOPS

Figure 39. More Than 10 TOPS

Figure 40. World Lightweight Intelligent Vision Chip Production Market Share by Type (2021-2032)

Figure 41. World Lightweight Intelligent Vision Chip Production Value Market Share by Type (2021-2032)

Figure 42. World Lightweight Intelligent Vision Chip Average Price by Type (2021-2032) & (US\$/Unit)

Figure 43. World Lightweight Intelligent Vision Chip Production Value by Computing Power Requirements, (USD Million), 2021 & 2025 & 2032

Figure 44. World Lightweight Intelligent Vision Chip Production Value Market Share by Computing Power Requirements in 2025

Figure 45. Light Computing Power

Figure 46. Medium Computing Power

Figure 47. High Computing Power

Figure 48. World Lightweight Intelligent Vision Chip Production Market Share by Computing Power Requirements (2021-2032)

Figure 49. World Lightweight Intelligent Vision Chip Production Value Market Share by Computing Power Requirements (2021-2032)

Figure 50. World Lightweight Intelligent Vision Chip Average Price by Computing Power Requirements (2021-2032) & (US\$/Unit)

Figure 51. World Lightweight Intelligent Vision Chip Production Value by Functional Positioning, (USD Million), 2021 & 2025 & 2032

Figure 52. World Lightweight Intelligent Vision Chip Production Value Market Share by Functional Positioning in 2025

Figure 53. AI ISP Chip

Figure 54. NPU Vision Chip

Figure 55. Converged Chip

Figure 56. World Lightweight Intelligent Vision Chip Production Market Share by Functional Positioning (2021-2032)

Figure 57. World Lightweight Intelligent Vision Chip Production Value Market Share by Functional Positioning (2021-2032)

Figure 58. World Lightweight Intelligent Vision Chip Average Price by Functional Positioning (2021-2032) & (US\$/Unit)

Figure 59. World Lightweight Intelligent Vision Chip Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 60. World Lightweight Intelligent Vision Chip Production Value Market Share by Application in 2025

Figure 61. Smart Network Camera

Figure 62. Smart Doorbell

Figure 63. Smart Screen Camera

Figure 64. In-Vehicle Vision Products

Figure 65. Others

Figure 66. World Lightweight Intelligent Vision Chip Production Market Share by Application (2021-2032)

Figure 67. World Lightweight Intelligent Vision Chip Production Value Market Share by Application (2021-2032)

Figure 68. World Lightweight Intelligent Vision Chip Average Price by Application (2021-2032) & (US\$/Unit)

Figure 69. Lightweight Intelligent Vision Chip Industry Chain

Figure 70. Lightweight Intelligent Vision Chip Procurement Model

Figure 71. Lightweight Intelligent Vision Chip Sales Model

Figure 72. Lightweight Intelligent Vision Chip Sales Channels, Direct Sales, and Distribution

Figure 73. Methodology

Figure 74. Research Process and Data Source

I would like to order

Product name: Global Lightweight Intelligent Vision Chip Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/GC9128F725C6EN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GC9128F725C6EN.html>